### LAND RECLAMATION COMMISSION

### STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit	To	Engage	in	Surface	Mining
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LAND RECLAMATION COMMISSION

**ISSUES TO** 

### **GLEN-GERY CORPORATION**

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements In the application, a permit is hereby granted to engage in surface mining of

clay & shale in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 4

acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Monroe	20	55N	09W	5	0	5	Paris Clay Site	0543
Livingston	18	57N	24W	35	0	35	Midland Shale Site	0544

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

4th

day of

March 2004

/ DIRECTOR OF STAFF

Land Reclamation Commission

 Permit No.
 0545

 Effective Date
 03/09/2004

 Expiration Date
 03/08/2005

MO 780-1122 (6-95)

### RECEIVE

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

FEB 1 3 2004

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PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176

LA JOHN MENEWALI ON	MIDOSTINAL MIN	MISSOURI LAN		JEFFERSON (	OTY, MO 65102-0176
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDI		RECLAMATION COM	VISSIO	DATE	
GLEN - GERY CORPORAT	IUN	СПУ		STATE	ZIP CODE
P.O. Box 340		SHOEMAKERSVI	LLE	PA	19555
	RAW MATERIA	LS MANAGER		10-562	-3076
FEES: COMPLETE SECTION I OR SECTION		on 5 000 tone of cond		1.	
SECTION I. Fees: Open pit operators and		an 5,000 tons of sand	and/or grave	l:	
I. To compute the site fee complete the in	nformation below:				
SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month th the permit year	at the site will be opera	ated during   p	permit year pay \$150	ss than six months per x months or more per
1. MIDLAND SHALE AT COUNTY	Jan, Feb, Mar, Apr, M.	ay, Jun, Jul, Aug, Sep, O			
2. PARIS PIT MONROE COUNTY	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$ 150.00	
3.	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
4.	Jan, Feb, Mar, Apr, M	ay, <mark>Jun, Jul, Aug, Sep, O</mark>	ct, Nov, Dec	\$	
5.	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
5.	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
7.	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
В.	Jan, Feb, Mar, Apr, M.	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
9.	Jan, Feb, Mar, Apr, M.	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
10.	Jan, Feb, Mar, Apr, M.	ay, Jun, Jul, Aug, Sep, O	ct, Nov, Dec	\$	
TOTAL SITE FEE			- (5	\$ 300.0	0
2. Acreage Fee \$5 X 40 number	of acres bonded			\$ 200.0	0
3. Annual Permit Fee				\$ 500	
4. Total Fee (Add totals from 1, 2 and 3)			9	1000.0	00
NOTE: If Total Fee exceeds \$2,500.00 th				_	-
SECTION II. FEES: Sand or gravel operat					
1. Annual Permit Fee				300	
SIGNATURE OF APPLICANT		TITLE /a . Marson	. = 4444	DATE	
Shown & says		QUARRY RAW MATERIA	ILS MIANAGER	2/3/04	
Appeared before me thisday of	February	, 20 <u>0 H</u> ,			
o me personally known, who executed the a	above as their free acts	and deeds.			
NOTARY PUBLIC EMBOSSER SEAL STATE OF		_	COUNTY (OR CIT	Y OF ST. LOUIS)	
SUBSCRIBED AND	O SWOON BEFORE ME, THIS		1		
31	d DAY OF FU	W YEAR LADY	USE RUBBE	R STAMP IN CLE	AR AREA BELOW.
NOTARY PÜBÉIC :	SIGNATURE	MY COMMISSION EXPIRES		POMMONWEALT	H OF PENNSYLVA
Slan	ol. Their	B 10/27/1.0	by r	No	artal Seal
NO ARY PUBLIC	NAME (TYPEDOR PRINTED)	Jan Jan Jan	[	Jean E. You Shoemakersvill	ing, Notary Public e Boro, Berks County
JEAN E	. YOUNG	PERMIT NUMBI	ER	My Commission	Expires Oct. 27, 200
	2-270		T.	lember, Penneylver	Association Of No
MO 780-4780 (12-02)			<del></del>		7 - 0 )





o be completed for each separate area of d	isturbance associated with r	mining operations.	RECIAMATION CONTROL	
ITE NAME OR NUMBER	PERMI	NUMBER		
MIDLAND SHALE PIT		545		
COMPANY NAME				
GLEN GERY CORPORATION				
COUNTY	1/4 SECTION	S	ECTION	
LIVINGSTON			18	
OWNSHIP	RANGE	A	CRES	
57N	24W		35	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
MINERAL COMMODITY	ESTIM	ATED TONS/YEAR (FOR	GRAVEL SITES)	
	251111	22 TON TENT (FOR		
SHALE		· · · · · · · · · · · · · · · · · · ·		
NAME OF LANDOWNER (ATTACH LIST IF MORE THA	N ONE)			
GLEN GERY CORPORATION				
ADDRESS				
P.O. BOX 36				
CITY	STATI	=	ZIP CODE	
	J. A.		64686	
UTICA		МО		
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED	□ Le		DATE OF AGREEMENT	
WARRANTY DEED		RBAL AGREEMENT		
OTHER (DESCRIBE):				
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE	THAN ONE)			
ADDRESS				
CITY	STAT		ZIP CODE	
	3141	_	211 0002	
SOURCE OF RIGHT TO MINE (CHECK ONE):	П		DATE OF AGREEMENT	
MINERAL DEED		EASE		
☐ WARRANTY DEED	Ļ v	ERBAL AGREEMENT		
OTHER (DESCRIBE):				

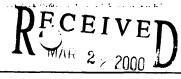


# MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION MINE PLAN

KECEIVED 2000

MISSOURI LAND P.O. BOX 176
RECLAMATION COMMISSION CITY, MO 65102

, 441.44.	Way and
PE OF PLAN (CHECK ONE):	COMPANY NAMEGLEN GERY CORP. MIDLAND SHALE PIT
SHORT TERM, FOR ONE PERMIT YEAR LONG TERM, FOR PERIOD THROUGH DATE:	
	01-01-2000 to $12-31-2050$ DMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
ID TOPOGRAPHY	
Steep hillside -wooded-verv	thin soil with limited vegetation.
•	The second secon
PERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
. TOPSOIL VERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAM.	ATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE
PERAGE DEFIN OF TOPSOIL, PRIOR TO LAND RECLAM	
	1-2 INCHES YES OR KINO
12" and leaves either side	
ESCRIBE METHODS AND EQUIPMENT USED FOR TOPS	OIL STORAGE AND PROTECTION
	kpiled either side of pit area and seeded with limit wind and water erosion.



B. SPOIL			AMICCOUR
DESCRIBE M	ETHODS A	ND LOCATION OF SPOIL PLACEMENT AND DISPOSAL	RECLAMATION COMMISSION
stock	piled	removed in order to reach useable shale to be used back in grading of slopes to do of pit use.	
C. ACID	MATERIA	LS	
DESCRIBE N	METHODS A	ND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATE	ED, WRITE "NONE" BELOW)
None	€.		
D. PIT IN	FORMAT	ION (GIVE ALL DIMENSIONS IN FEET)	
DESCRISE	LOCATION	AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS	
Pi	t will	continue westward-direction as per encl	osed map.
·    -			
YES	NO		·
	<del>xx</del>	Will any excavation be at or within fifty feet (50') of the right-of-way	of any public road?
	**	Will any highwall consisting of unconsolidated materials be left to public road? (NOTE: For unconsolidated materials left in place, a start near the right of way, and in no case may the excavation be or twenty-five feet plus one and one-half (1-½) times the depth greater, unless a variance is granted by the Commission.)	slope of no more than forty degrees may e closer to the right of way than fifty feet
xx		Will any excavation start at or within fifty feet (50') of any property (NOTE: If the answer is "yes", a safety barrier may be needed.)	line?
MO 780-1327	(12-91)		PAGE 2 OF





RECLAMATION PLAN - 10 CSR 40-10.	ANSSOURITAND				
A. REVEGETATION (Attach additions		OCCI AMATION COMMISSION			
REVEGETATION MIX #1	PURPOSE OR LAND USE		B. SEEDING OR PLANT		
	Limited Past		Spring/Ma	arch-April	
DESCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANTIN	1G			
After soil replacement	and grading of 3	to 1 slopes,	30' horizo	ontal to 10'	
of rise, seeding will b	e by broadcastin	a followed by	harrowing.	•	
		<b>5</b>	<b>-</b>		
			•		
Lime and fertilizer will be applied acco	ording to recommendations	made, based on an an	alysis of soil text	ture and nutrients. Mulch	
will be applied to all slopes exceeding	5:1.				
			T	<del> </del>	
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB	SPECIES	STEMS/ACRE	
Wheat	50#				
wneat	50#				
Orchard Grass	6#				
Orchard Grass	0#				
Fescue	10#				
reseac	10 11				
Red Clover	10#				
REVEGETATION MIX =2	2 22005 024 440 455		12 255000 00 00 00	TING TOUS	
HEARGE (MUCH MIX =5	PURPOSE OR LAND USE	•	B SEEDING OR PLAN	ALING TIME	
DESCRIBE METHODS AND EQUIPMENT TO BE	LISED FOR SEEDING OR PLANT	ING	<u> </u>		
DESCRIBE METRODS AND EQUIPMENT TO BE	OSED FOR SEEDING OR FLANT	ing.			
	•				
Lime and fertilizer will be applied acc		s made, based on an ai	nalysis of soil tex	cture and nutrients. Mulci	
will be applied to all slopes exceeding	<b>5</b> :1.				
CEEDED CRECIES	DOUNDS/ACRE	TREE OR CURIN	PERCIES	STEMS/ACRE	
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUI	0 3PEUIE3	STEMS/ACITE	
	1				
				_	
	į.	t .		1	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING** 

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Slope 3 to 1 to center of pit area.

RECEIVED
MAR 2 2 2000

MISSOURI LAND
RECLAMATION COMMISSION

C.	DESCRIBE	THE GENERAL	<b>SEQUENCE AND</b>	TIMING OF	THE FOLL	OWING.	ACTIVITIES

GRADING

Within 12 months of closing of open pit mining, of all mined areas.

Changed by d. sharp as per phone conversation with Donna Pressier

REPLACEMENT OF TOPSOIL

portions. changed by G. sharp as per phone conversation with Donna Pieszler 4-4790

REVEGETATION

This will be accomplished within 24 months after expiration of the permit.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
12-14 "	
D. USE OF LAND WHEN RECLAIMED	
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	35
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

MISSOURI LAND RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	_ 00	TITLE	DATE
RICO	Ronald	PLANT MANAGI	ER 03-13-00
NOTARY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME. TH	IIS	Lwingston
	13 DAY OF Man	zh 192000	USE RUBBER STÄMP IN CLEAR AREA BELOW
	Richard J. Saci	MY COMMISSION EXPIRES 3/23/2000	RICHARD J. SAALE Notary Public - State of Missouri
	NOTARY PUBLIC NAME (TYPES OR PRINTED)  RICHARD J. S. B.	PALE	Commissioned in Livingston County  s Commission handres March 28, 2010
APPROVED BY (DIRECTOR'S RE	RESENTATIVE)	DATE APPROVED	PERMIT NUMBER .
Mark	raise	5-1-00	0545
MO 780-1327 (12-91)	- 17		PAGE 5 OF S



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L	UI	¥7 9	ودبند

o be completed for each separate a	rea of disturbance asso	ciated with mining opera	tions.			
ITE NAME OR NUMBER		PERMIT NUMBER				
Midland Shale P	it		545			
OMPANY NAME						
Glen-Gery Corpo	ration					
OUNTY	1/4 SECTION		SECTION			
Livingston			18			
OWNSHIP	RANGE		ACRES 2-15-00			
57N		24W	2770			
VER OR STREAM NAME (FOR IN-STREAM A	ACRES)					
INERAL COMMODITY		ESTIMATED TONS/YEA	AR (FOR GRAVEL SITES)			
Shale						
Dilate						
AME OF LANDOWNER (ATTACH LIST IF MO	DRE THAN ONE)					
Glen-Gery Corpo	ration					
DDRESS		***************************************				
P. O. Box 410						
TY		STATE	ZIP CODE			
Chillicothe,		MO	64601			
OURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT			
MINERAL DEED		LEASE				
X WARRANTY DEED		VERBAL AGREEMENT				
OTHER (DESCRIBE):						
			·			
INFOAL BIOUTS OWNED (ATTACLL IST IS	MODE THAN ONE)	<del></del>				
INERAL RIGHTS OWNER (ATTACH LIST IF	MORE THAN ONE)					
DDRESS						
ITY		STATE	ZIP CODE			
DURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT			
MINERAL DEED		LEASE				
WARRANTY DEED		VERBAL AGREEMENT				



P.O. BOX 176 JEFFERSON CITY, MO 65102

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
Overburden removed in order to reach useable shale material-will
be stockpiled to be used back in grading of slopes to reshape
vertical high walls at end of pit use.
C. ACID MATERIALS
DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
NONE
D. DIT INFORMATION (ONE ALL DIMENSIONS IN FEET)
D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET) DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
Pit will continue westward - direction as per enclosed map.
YES NO
Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of an public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees ma start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
Will any excavation start at or within fifty feet (50') of any property line?  (NOTE: If the answer is "yes", a safety barrier may be needed.)
IO 780-1327 (12-91) PAGE 2

B. SPOIL

Livingeton

RE	:CI	LA	M	A.	TI	10	1 F	L	٩N	-	10	CSR	40-	10.	.020	(2)	(D	2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1 PURPOSE OR LAND U

Limited Pasturing

B SEEDING OR PLANTING TIME
Spring/March-April

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

After soil replacement and grading of 3 to 1 slopes, 30' horizontal to 10' of rise, seeding will be by broadcasting followed by harrowing.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Wheat	50#		
Orchard Grass	6#		1
Fescue	10#		
Red Clover	10#		
/EGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLA	NTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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	LIUI	ngsta	

В.	G	R	A	D	۱	N	G	

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Slope 3:1 to center of pit area

_	DECCOIDE 1	rue /	CENEDAL	CEUIENCE	AND TIMING	AE THE		ACTIVITIES
<b>u</b> .	DESCRIBE	INE '	GENERAL	SEGUENCE	MINU LIMING	OF IRE	PULLUWING	ALLIVITES

GRADING

Within 12 months of closing of open pit mining

REPLACEMENT OF TOPSOIL

Immediately following and along with grading

#### REVEGETATION

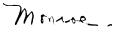
This will be accomplished within 24 months after expiration of the permit.

AVERAGE DEPTH OF REPLACED SOIL (INCHES)  12-14"	
D. USE OF LAND WHEN RECLAIMED	
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	5
Agricultural (pasture, cropland, and horticultural)	12
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	par 0.T. 94 3
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By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT		TITLE		DATE
Paul E	McEntoh	Plant Ma	anager	2-24-92
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CI	TY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, TH		Livi	NGSTON
	3 DAY OF Mar	ch 1992	USE RUBBE	R STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE  Richard Saal  NOTARY PUBLIC NAME (TYPED OR PRINTED)	my commission expires 3/23/92	Notary Commission	ICHARD J. SAALE Public - State of Missouri pned in Livingston County sion Expires March 23, 1992
		PAALE		
APPROVED BY (DIRECTOR'S REPE	RESENTATIVE)	DATE APPROVED		PERMIT NUMBER
Kanen 7. Port	to usi	4/6/92		545
MO 780-1327 (12-91)				PAGE 5 OF 5





## MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

### SITE INFORMATION FORM

o be completed for each separate a	rea or disturbance associate		ns. 	
TE NAME OR NUMBER		PERMIT NUMBER		
, Paris Clay P	it		545	
OMPANY NAME				
Glen-Gery Corpo	ration			
OUNTY	1/4 SECTION		SECTION	
Monroe	SW			20
OWNSHIP	RANGE		ACRES	_
55N		9W		11
VER OR STREAM NAME (FOR IN-STREAM )	ACRES)			
	,			
INERAL COMMODITY		ESTIMATED TONS/YEAR	YEOR GRAVEL SITES	2)
		ESTIMATED TONS/TEAR	(i On GRAVEL SHES	"
Clay				
AME OF LANDOWNER (ATTACH LIST IF MO	DRE THAN ONE)			
Robert Kendrick				
DORESS		_		
#7 Griffith Drive	<b>a</b>			
ITY	<b>-</b>	STATE	719	CODE
Monroe City		MO		63456
OURCE OF RIGHT TO MINE (CHECK ONE):			DAT	E OF AGREEMENT
MINERAL DEED		LEASE		07-08-90
WARRANTY DEED		X VERBAL AGREEMENT		
OTHER (DESCRIBE):				
INERAL RIGHTS OWNER (ATTACH LIST IF	MORE THAN ONE)	_		
•	·			
DDRESS				
DUNESS				
CITY		STATE	ZIP	CODE
OURCE OF RIGHT TO MINE (CHECK ONE)			DAT	E OF AGREEMENT
		LEASE		
MINERAL DEED		VERBAL AGREEMENT		
MINERAL DEED  WARRANTY DEED		VERBAL AGREEMENT		

P.O. BOX 176 JEFFERSON CITY, MO 65102

SHORT TERM, FOR ONE PERMIT YEAR . PARIS CLAY PIT LONG TERM, FOR PERIOD THROUGH DATE: 1996  DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR F	hanged to 46
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR FAND TOPOGRAPHY.	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
Slightly rolling 3:1 slope in grasses	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
12-14" INCHES	YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
Use crawler loader and/or trucks to move top	osoil to stockpile
in far north section of pit	
••.	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
Topsoil stored in stockpile. Stockpile seeds	ed down with
wheat to limit wind and water erosion	

,		
B. SPOI		
DESCRIBE	METHODS	S AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
	•	
	(	Continuous backfill in bottom of pit area following mining
1		
	C	of useable material
	•	
	•	
İ		
C. ACIE	MATER	IALS
		S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
		NONE
		· · · · · · · · · · · · · · · · · · ·
1		
		ATION (GIVE ALL DIMENSIONS IN FEET)
DESCRIB	E LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
		·
	Fas	t Southeast
	-42	
1		
		•
YES	NO	
153	NO	
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
		and a second and an area continuously asset (and a second continuously product to an area continuously asset (and a second continuou
	X	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
		public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may
		start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet
		or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is
		greater, unless a variance is granted by the Commission.)
	X	Millions accounting short of an existent differ fact (POI) of any account limits
	لكفا	Will any excavation start at or within fifty feet (50') of any property line?
		(NOTE: If the answer is "yes", a safety barrier may be needed.)

PAGE 2 OF 5

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		Monroe
<b>RECLAMATION PLAN - 10 CSI</b>	R 40-10.020(2)(D)2.	
A. REVEGETATION (Attach a	dditional sheets, if needed)	
REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
	Wildlife & lake area	Spring/March-April
DESCRIBE METHODS AND EQUIPMEN	T TO BE USED FOR SEEDING OR PLANTING	
Broadcast seed	ling followed by harrowing	-

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
	11		
Wheat	50#		
Orchard Grass Timothy Red Clover Crown Vetch	6# 10# 10# 5#		
REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PL	ANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

<b>\</b> -		
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DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Lake area with all other slopes graded 3:1

### C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done within 12 months after expiration of the permit

REPLACEMENT OF TOP 400

Immediately following and along with grading

REVEGETATION

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

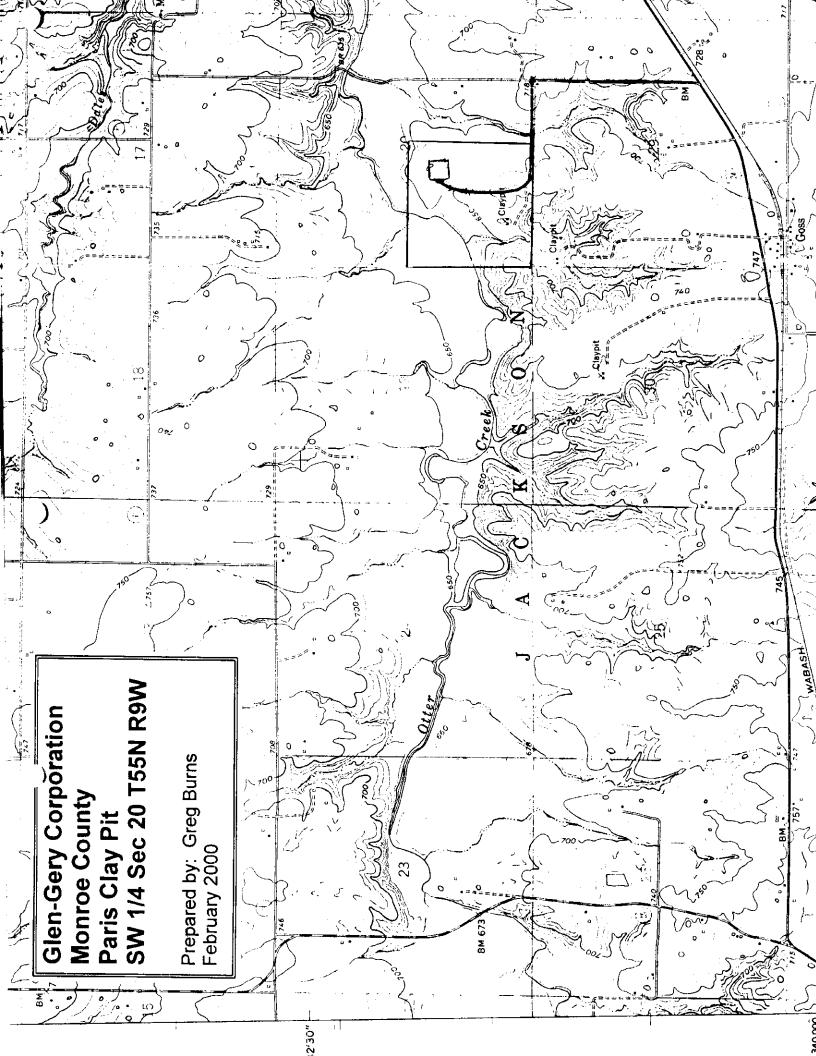
Within 24 months - at earliest planting season following ground preparation

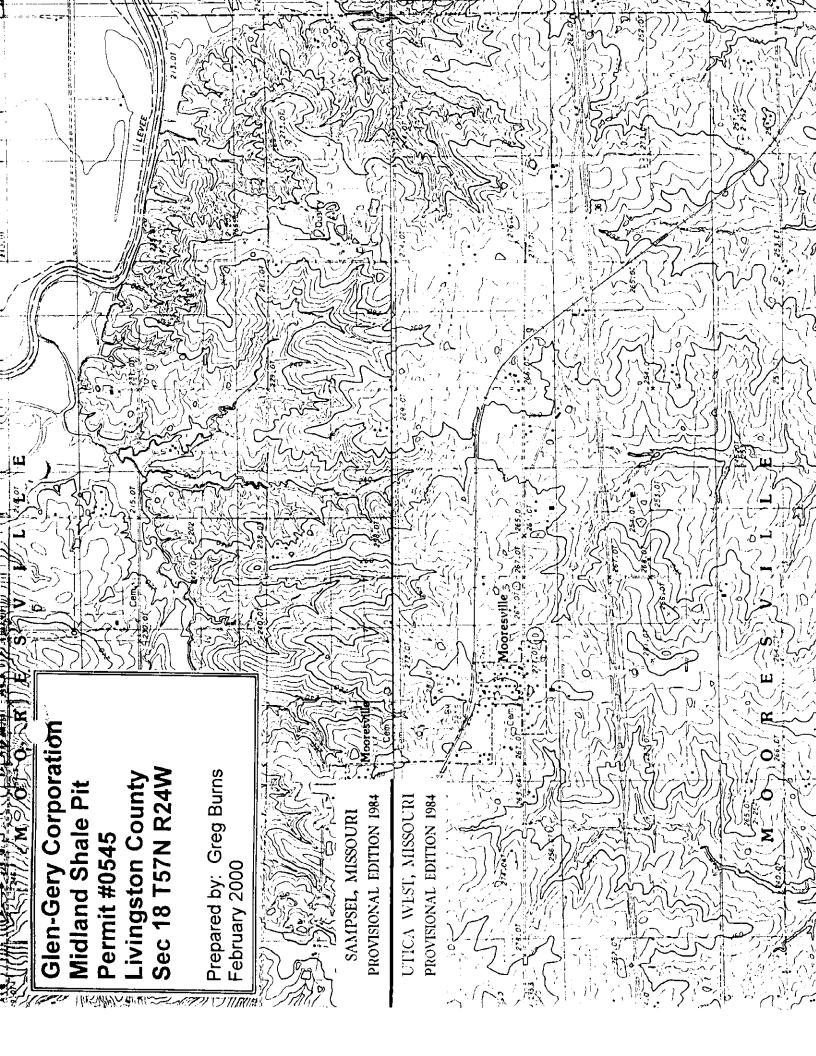
12		
D. USE OF LAND WHEN RECLAIMED		ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation	a<1.	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	9-5-6 (RUON)	1+1
Agricultural (pasture, cropland, and horticultural)	1.M/2.	
Development (residential, industrial, and recreational)	(ov	
Water impoundments (for wildlife, agricultural, or development)		3

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT		TITLE		DATE
Paul & M'Stoch		Plant Manager 2-24-92		2-24-92
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CI	TY OF ST. LOUIS)
	Missoure		/	
	SUBSCRIBED AND SWORN BEFORE ME, TH	IS A	LIVII	VESTON
3 DAY OF Ma		och 1992	USE RUBBE	R STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE	MY COMMISSION		
Richard J. Sorale  NOTARY PUBLIC NAME (TYPED OR PRINTED)  RICHARD T SAA		3/23/92	RICHARD J. SAALE Notary Public - State of Missouri	
				oned in Livingston County
		9 LE My Commission Expires March 23, 19		sion Expires March 23, 1992
APPROVED BY (DIRECTOR'S REPR	ESENTATIVE)	DATE APPROVED		PERMIT NUMBER
Karen 7. Mort	the usi	4/6/92		545





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